

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/050190

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 H04L12/24 H04L29/12 H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 614 781 B1 (ELLIOTT ISAAC K ET AL) 2 September 2003 (2003-09-02)	1, 3, 5-7, 16, 17, 24
Y	column 47, line 13 - column 49, line 17; figures 2A, 2B	2, 23
A	-----	4, 8-15, 18-23
Y	US 2003/041136 A1 (CHELINE DOUGLAS A ET AL) 27 February 2003 (2003-02-27) page 2, left-hand column, paragraph 38 page 7, right-hand column, paragraph 68 - page 8, left-hand column, paragraph 72; figures 1, 2	2, 23
A	US 2004/010653 A1 (GRUNDY KEVIN P ET AL) 15 January 2004 (2004-01-15) page 4, paragraph 47 - page 6, paragraph 60	1-24

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

11 April 2005

02/05/2005

## Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

## Authorized officer

Fischer, E

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No  
PCT/IB2005/050190

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6614781	B1	02-09-2003	AU CA EP WO US	1631900 A 2352961 A1 1131926 A1 0031933 A1 20040222237 A1		13-06-2000 02-06-2000 12-09-2001 02-06-2000 05-02-2004
US 2003041136	A1	27-02-2003	NONE			
US 2004010653	A1	15-01-2004	WO	0203744 A1		10-01-2002